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TECH CENTER 1600/2900



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RAW SEQUENCE LISTING

DATE: 10/07/2002

PATENT APPLICATION: US/09/613,486

TIME: 14:06:32

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         Gonsalves, Dennis
 8 <120> TITLE OF INVENTION: Grapevine Leafroll Virus Type 2 Proteins
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11 <130> FILE REFERENCE: 07678/062004
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14 <141> CURRENT FILING DATE: 2000-07-11
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17 <151> PRIOR FILING DATE: 1998-05-19
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203 tgttgategt gegtttetea egeacetett etetttaaca tegetggaae etgaeeteae 10320 204 tttggatatc tcgaatctga aagaatcttt atcaaaaacg gacgcagaga tagtttacac 10380 205 tttgagaggt gtcgatggaa gaaaagaaga cgttagagta aacaaaaaca ttcttacgtc 10440 206 ggtgatgete cectaegtga acagaaeget taagatatta gagteaaeet taaaategta 10500 207 tqctaagagt atgaatgaga qtqcqcqaqt taaqtqcqat ttaqtqctqa taqqaqqatc 10560 208 ttcatatctt cctggcctgg cagacgtact aacgaagcat cagagcgttg atcgtatctt 10620 209 aagagttteg gateeteggg etgeegtgge egteggttge geattatatt etteatgeet 10680 210 ctcaggatct ggggggttgc tactgatcga ctgtgcagct cacactgtcg ctatagcgga 10740 211 cagaagttgt catcaaatca tttgcgctcc agcgggggca ccgatcccct tttcaggaag 10800 212 catgcctttg tacttagcca gggtcaacaa gaactcgcag cgtgaagtcg ccgtgtttga 10860 213 aggggagtac gttaagtgcc ctaagaacag aaagatctgt ggagcaaata taagattttt 10920 214 tgatatagga gtgacgggtg attcgtacgc acccgttacc ttctatatgg atttctccat 10980 215 ttcaagcgta ggagccgttt cattcgtggt gagaggtcct gagggtaagc aagtgtcact 11040 216 cactggaact ccagcgtata acttttcgtc tgtggctctc ggatcacgca gtgtccgaga 11100 217 attgcatatt agtttaaata ataaagtttt tctcggtttg cttctacata gaaaggcgga 11160 218 tegacgaata etttteaeta aggatgaage gattegatae geegatteaa ttgatatege 11220 219 qqatqtqcta aagqaatata aaaqttacqc qqccaqtqcc ttaccaccaq acqaqqatqt 11280 220 cgaattactc ctgggaaagt ctgttcaaaa agttttacgg ggaagcagac tggaagaaat 11340 221 acctetetag gageatagea geacacteaa gtgaaattaa aactetaeea gaeattegat 11400 222 tgtacggcgg tagggttgta aagaagtccg aattcgaatc agcacttcct aattcttttg 11460 223 aacaggaatt aggactgttc atactgagcg aacgggaagt gggatggagc aaattatgcg 11520 224 gaataacggt ggaagaagca gcatacgate ttacgaatee caaggettat aaatteactg 11580 225 ccgagacatg tagcccggat gtaaaaggtg aaggacaaaa atactctatg gaagacgtga 11640 226 tgaatttcat gegtttatca aatetggatg ttaacgacaa gatgetgacg gaacagtgtt 11700 227 ggtcgctgtc caattcatgc ggtgaattga tcaacccaga cgacaaaggg cgattcgtgg 11760 228 ctctcacctt taaggacaga gacacagctg atgacacggg tgccgccaac gtggaatgtc 11820 229 gcgtgggcga ctatctagtt tacgctatgt ccctgtttga gcagaggacc caaaaatcgc 11880 230 agtotggcaa catotototg tacgaaaagt actgtgaata catoaggaco tacttaggga 11940 231 gtacagacct gttcttcaca gcgccggaca ggattccgtt acttacgggc atcctatacg 12000 232 atttttgtaa ggaatacaac gttttctact cgtcatataa gagaaacgtc gataatttca 12060 233 gattettett ggcgaattat atgeetttga tatetgaegt etttgtette eagtgggtaa 12120 234 aacccgcgcc ggatgttcgg ctgctttttg agttaagtgc agcggaacta acgctggagg 12180 235 ttcccacact gagtttgata gattctcaag ttgtggtagg tcatatctta agatacgtag 12240 236 aatoctacac atcagatoca gocatogaog ogttagaaga caaactggaa gogatactga 12300 237 aaagtagcaa teeeegteta tegacagege aactatgggt tggtttettt tgttactatg 12360 238 gtqaqtttcq tacqqctcaa aqtaqaqtaq tqcaaaqacc aqqcqtatac aaaacacctq 12420 239 actcagtggg tggatttgaa ataaacatga aagatgttga gaaattcttc gataaacttc 12480 240 agagagaatt gootaatgta totttgoggo gtoagtttaa oggagotaga gogoatgagg 12540 241 ctttcaaaat atttaaaaac ggaaatataa gtttcagacc tatatcgcgt ttaaacgtgc 12600 242 ctagagagtt ctggtatctg aacatagact acttcaggca cgcgaatagg tccgggttaa 12660 243 ccgaagaaga aatactcatc ctaaacaaca taagcgttga tgttaggaag ttatgcgctg 12720 244 agagagcgtg caatacccta cctagcgcga agcgctttag taaaaatcat aagagtaata 12780 245 tacaatcatc acgccaagag cggaggatta aagacccatt ggtagtcctg aaagacactt 12840 246 tatatgagtt ccaacacaag cgtgccggtt gggggtctcg aagcactcga qacctcggga 12900 247 gtcgtgctga ccacgcgaaa ggaagcggtt gataagtttt ttaatgaact aaaaaacgaa 12960 248 aattactcat cagttgacag cagccgatta agcgattcgg aagtaaaaga agtgttagag 13020 249 aaaagtaaag aaagtttcaa aagcgaactg gcctccactg acgagcactt cgtctaccac 13080 250 attatatttt tettaateeg atgtgetaag atategacaa gtgaaaaggt gaagtaegtt 13140 251 ggtagtcata cgtacgtggt cgacggaaaa acgtacaccg ttcttgacgc ttgggtattc 13200

VERIFICATION SUMMARY

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PATENT APPLICATION: US/09/613,486

TIME: 14:06:33

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